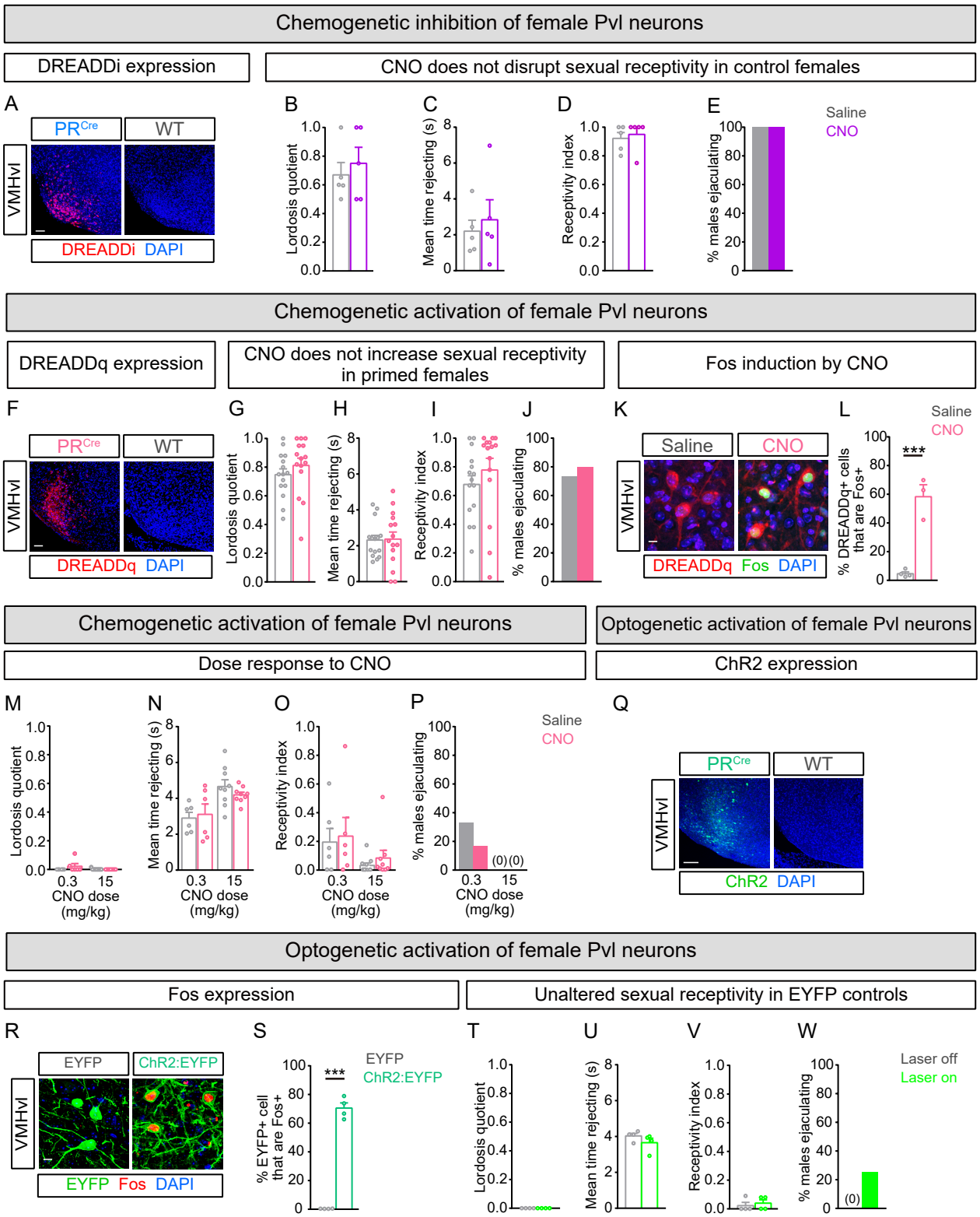
Figure S2


Chemogenetic inhibition of female Pvl neurons
DREADDi expression
CNO does not disrupt sexual receptivity in control females
A
PRCre
WT
VMHvl
DREADDi DAPI
B
Lordosis quotient
C
Mean time rejecting (s)
D
Receptivity index
E
% males ejaculating
Saline
CNO
Chemogenetic activation of female Pvl neurons
DREADDq expression
CNO does not increase sexual receptivity in primed females
Fos induction by CNO
F
DREADDq DAPI
G
H
I
J
K
Saline
CNO
DREADDq Fos DAPI
L
% DREADDq+ cells that are Fos+
***
Chemogenetic activation of female Pvl neurons
Dose response to CNO
Optogenetic activation of female Pvl neurons
ChR2 expression
M
N
O
P
(0)(0)
CNO dose (mg/kg)
Q
ChR2 DAPI
Optogenetic activation of female Pvl neurons
Fos expression
Unaltered sexual receptivity in EYFP controls
R
EYFP
ChR2:EYFP
EYFP Fos DAPI
S
% EYFP+ cell that are Fos+
T
U
V
W
Laser off
Laser on
(0)